

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-345924

(43)Date of publication of application : 01.12.1992

(51)Int.Cl. G11B 7/085  
G11B 7/095

(21)Application number : 03-120431 (71)Applicant : MATSUSHITA ELECTRIC IND CO LTD

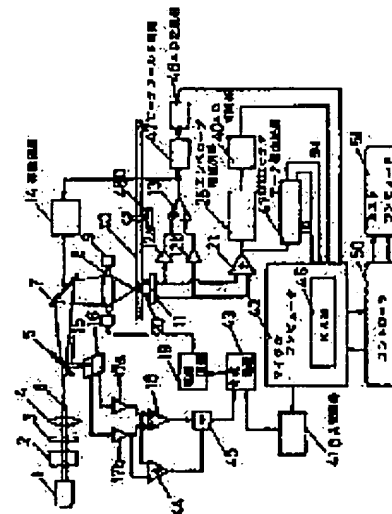
(22)Date of filing : 24.05.1991 (72)Inventor : WATANABE KATSUYA  
EDAHIRO YASUAKI  
MORIYA MITSURO

## (54) METHOD AND DEVICE FOR ADJUSTMENT OF FOCUS POSITION

### (57)Abstract:

PURPOSE: To attain the accurate adjustment of the focus position even though the amplitude of a reproduced signal is changed caused by the face wobbling, the scratches, etc.

CONSTITUTION: The reproduced signal, i.e., the output of a sum circuit 21 is processed, and a pulse signal synchronous with the revolution obtained by an INDEX sector mark detecting circuit 47 which detects the revolving position of a recording medium 10 is inputted to a microcomputer 42. The start timing of an A/D converter 40 is secured, and the signal amplitudes obtained at the same revolving position of the medium 10 are measured. Furthermore the average is secured among plural revolving positions. Thus it is possible to measure the accurate relation between a focus position and the amplitude of a reproduced signal without receiving the influence of the change of amplitude caused by the face wobbling, the scratches, etc. Then the microcomputer 42 stores previously the change of reproduced amplitude of a single revolution in a RAM 46 and then corrects the measured amplitude of the reproduced signal. Otherwise the microcomputer 42 measures the amplitude of the focus error signal obtained the a divider 45 and corrects the amplitude of the reproduced signal.



---

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]